PATENT COOPERATION TREATY

From INTE	the RNATIONAL SEA	ARCHING AUTH	ORITY	v						
То:				PCT						
	see form	PCT/ISA/220		WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY (PCT Rule 43 <i>bis</i> .1)						
				Date of mailing (day/month/year) see form PCT/ISA/210 (second sheet)						
t	icant's or agent's file form PCT/ISA/2		1446-PCT	FOR FURTHER ACTION See paragraph 2 below						
1	national application I/US2004/00308		International filing date (conditional filing date (conditional filing date)	day/month/year)	Priority date (day/month/year) 05.02.2003					
	International Patent Classification (IPC) or both national classification and IPC C07C15/107, C07C2/10, C07C5/27									
Applicant SHELL OIL COMPANY										

1.	This opinion co	ontains indication	ons relating to the follows	owing items:						
	☐ Box No. I Basis of the opinion									
	☑ Box No. II	Priority								
	Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability									
	☐ Box No. IV									
	☑ Box No. V	Reasoned state applicability; cit	ement under Rule 43 <i>bis</i> tations and explanations							
	☐ Box No. VI	Certain docume								
!	☐ Box No. VII	Certain defects	in the international app							
	☐ Box No. VIII		ations on the internation							
2.	FURTHER ACTI	ION								
	If a demand for international preliminary examination is made, this opinion will usually be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA"). However, this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1 bis(b) that written opinions of this International Searching Authority will not be so considered.									
	If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of three months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.									
	For further option									
3.	3. For further details, see notes to Form PCT/ISA/220.									
Name	and mailing addres	ss of the ISA:		Authorized Officer						

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WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/US2004/003086

_								
_	Box	N	o. I Basis of the opinion					
1.	With the	With regard to the language, this opinion has been established on the basis of the international application in the language in which it was field, unless otherwise indicated under this item.						
		lar	is opinion has been established on the basis of a translation from the original language into the following aguage , which is the language of a translation furnished for the purposes of international search ander Rules 12.3 and 23.1(b)).					
2.	. With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:							
	a. ty	of material:						
]	a sequence listing					
			table(s) related to the sequence listing					
	b. fo	at of material:						
☐ in written format								
		3	in computer readable form					
	c. tin	c. time of filing/furnishing:						
☐ contained in the international application as filed.		כ	contained in the international application as filed.					
]	filed together with the international application in computer readable form.					
]	furnished subsequently to this Authority for the purposes of search.					
3.	i	has	addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto been filed or furnished, the required statements that the information in the subsequent or additional bies is identical to that in the application as filed or does not go beyond the application as filed, as propriate, were furnished.					

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4. Additional comments:

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/US2004/003086

Box No. II Priority									
1.	. The following document has not been furnished:								
		\boxtimes	copy of the earlier application whose priority has been claimed (Rule 43bis.1 and 66.7(a)).						
	☐ translation of the earlier application whose priority has been claimed (Rule 43 <i>bis</i> .1 and 66				se priority has been claimed (Rule 43bis.1 and 66.7(b)).				
	Consequently it has not been possible to consider the validity of the priority claim. This opinion has nevertheless been established on the assumption that the relevant date is the claimed priority date.								
2.	This opinion has been established as if no priority had been claimed due to the fact that the priority claim has been found invalid (Rules 43 <i>bis</i> .1 and 64.1). Thus for the purposes of this opinion, the international filing date indicated above is considered to be the relevant date.								
3.	3. Additional observations, if necessary:								
	Par	No. V	Decembed states		la - Dula 404	to de Novembro			
			neasoned staten opplicability: citatio	nent und	er Rule 43 <i>b</i> explanations	is.1(a)(i) with regard to novelty, inventive step or			
1.	industrial applicability; citations and explanations supporting such statement Statement								
	Nov	elty (N)		Yes: No:	Claims Claims	1-32			
	Inve	entive ste	ep (IS)	Yes:	Claims				
				No:	Claims	1-32			
	Indu	ıstrial ap	plicability (IA)	Yes: No:	Claims Claims	1-32			
2.	Cita	tions an	d explanations						
	202	see separate sheet							
	300	Jopaiai	C 31100L						

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PCT/US2004/003086

Re Item V.

The following documents are referred to in this communication:

D1: US 3 492 364 A (JONES WILLIAM A ET AL) 27 January 1970 (1970-01-27)

D2: US 3 442 965 A (OLDHAM WILFRED JOHN) 6 May 1969 (1969-05-06)

D3: WO 02/44114 A (STEINBRENNER ULRICH; BASF AG (DE); KRACK

GERHARD (DE); NARBESHUBER TH) 6 June 2002 (2002-06-06)

In the light of the cited documents the present claims 1-32 have to be considered as being novel (Art. 33(2) PCT) as none of these documents discloses the present subject-matter.

However, in the light of D1 (col.2, line 26 - col.5, line 5; claims 1,2), D3 (page 3, line 16 - page 7, line 5; claims 1-9) and D2 (claims 1-5) the present claims 1-32 cannot be considered as being inventive (Art. 33(3) PCT) as the object of the present application, namely to provide a method of preparing branched alkyl aromatic hydrocarbons and the present solution has already been suggested by said documents.

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